

Application Serial No. 10/763,657
Reply to Office Action of August 20, 2008

PATENT
Docket: CU-6001

REMARKS

In the Office Action, dated August 20, 2008, the Examiner states that Claims 1-14 are pending, Claims 1, 7, 9, 11 and 13 are rejected and Claims 3, 4, 6, 8, 10, 12 and 14 are allowed.

Rejection under 35 U.S.C. §102(b)

Claims 1, 7, 9 and 11 are rejected under 35 U.S.C. §102(b) as being anticipated by Miyaguchi (US 5,953,585) for the reasons of record. Applicant respectfully disagrees with and traverses this rejection.

Rejected Claim 1 (hereinafter "present invention") recites a method for manufacturing an electroluminescent element using a photolithography method which comprises: a heterochromatic light emitting layer forming process of forming a heterochromatic light emitting layer on a substrate, provided with a light emitting part of at least one color and a protecting layer formed so that the light emitting part and the end part thereof are not bared, by coating a heterochromatic light emitting layer forming coating solution showing a color different from the light emitting part (hereinafter "characteristic A"); and a protecting layer for the heterochromatic light emitting layer forming process of forming a protecting layer for the heterochromatic light emitting layer by coating a protecting layer forming coating solution so as to cover the heterochromatic light emitting part (hereinafter "characteristic B").

In aspects of the present invention, the above-mentioned characteristics A and B enable to prevent problems such as generation of color mixture or pixel narrowing derived from the elution of the light emitting part from the end part into the light emitting layer forming other kind of light emitting part, at the time of subsequently forming other kinds of light emitting part because each protecting layers are formed to cover each light emitting parts and the end parts thereof. Thereby, an EL element having plural kinds of highly sophisticated light emitting parts can be manufactured.

On the other hand, Miyaguchi is completely silent regarding the characteristics A and B. Although Miyaguchi mentions about the protective layer, this protection layer is formed such that, for example as shown in FIG. 1D of Miyaguchi, the protection layer is formed only one the cathode material 4 formed on the red color (R) emitting material 3, and is not formed to cover the end part of the red color (R) emitting material 3. Accordingly, when forming the green color (G)

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emitting material 7 shown in FIG. 1E of Miyaguchi, the red color (R) emitting material 3 eludes into the coating solution of the green color (G) emitting material 7 at the end part of the red color (R) emitting material 3 so that color mixture or pixel narrowing is caused.

As explained above, by having the characteristics A and B, the present invention prevents the color mixture or pixel narrowing caused by the elution of the patterned light emitting part to the light emitting layer forming coating solution at the end part thereof when coating the coating solution. Accordingly, Applicant respectfully asserts that the rejected claims are not anticipated by Miyaguchi, and Applicant respectfully requests withdrawal of the present rejection under 35 U.S.C. §102(b).

Rejection under 35 U.S.C. §103(a)

Claim 13 is rejected under 35 U.S.C. §103(a) as being unpatentable over Miyaguchi for the reasons of record. Applicant respectfully disagrees with and traverses this rejection.

As mentioned above, independent Claim 1 is allowable over the prior art. Accordingly, Applicant asserts that all claims depending therefrom are allowable for at least the same reasons, as well as for the features that they recite. As such, Applicant respectfully requests withdrawal of the present rejection under 35 U.S.C. §103(a).

In light of the foregoing response, all the outstanding objections and rejections are considered overcome. Applicant respectfully submits that this application should now be in condition for allowance and respectfully requests favorable consideration.

Respectfully submitted,

February 18, 2009

Date



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